

An Essay  
on  
the effects of Gold.  
for the Regre of  
Doctor of Medicine  
in the  
University of Pennsylvania.  
By  
Abraham N. Parks  
of Georgia.  
January, 1827.



## The effects of Gold.

The passage of caloric into a body produces heat, &  
to pass out of a body cold. Heat & cold are then mere sensa-  
tions, neither of them having in reality an existence as esen-  
tials & distinct agents. When speaking of the production of heat,  
we recognize the reception of a quantity of caloric into a body,  
& in the same manner when a body is undergoing the cooling  
process, we know that it is parting with a portion of its caloric.  
It is the perception by the animal system of these two processes,  
given rise to the ascriptions, heat & cold. When, therefore, we  
say that a body has become cold, we are understood to mean  
that it is deprived of a part of its caloric. That since long  
usage has removed the objection to the inaccuracy of the  
ascriptions, & has made it common & familiar to all, I  
will be retained while I propose to make a few observations on  
cold as a salutary & medicinal agent, the phenomenon that  
interferes from its application both local & general,  
I in a moderate & intemperate degree.



The power of generating heat, & preserving an uniformity of temperature, has been considered the prime characteristic of animal life. The animal body is endowed with this power of evolving heat to a considerable extent, much above the ordinary temperature of the atmosphere. It is even increased by the rapidly occasional, by external cold, & diminished by the increase of the atmospheric warmth, so that during a state of health, the temperature of the animal is pretty uniformly the same, notwithstanding the extreme variations of the external atmosphere. As in other kinds the evolution of heat is regulated according to the demands made from without. Such, indeed, is this power that an atmosphere of the same temperature with the animal is found extremely inconvenient to the feelings. From observation & experiment the temperature of man has been fixed at 98 degrees (Fahr.) & of course physically speaking, very far below that would be fatal, but as regards his sensibility the temperature of the surrounding medium does not become fatal until reduced below 50 degrees; which is the most painful & insupportable, & appears to abstract the heat of the body, in



the same proportion in which it is generated, without any extraordinary exertion of the system; & therefore neither, contribute to exhaust its power, nor to excite any great heat. Thus the constitution of man is wisely adapted to the medium temperature of the habitable globe.

Most connected with this power of generating heat, is another important attribute of vitality, by which the living system is enabled to resist great degrees of heat, & preserving its own temperature above exposed to external warmth far above any known in nature. Celsius & Fahrenheit of Rome exposed themselves for nearly five minutes in a warm bath to a temperature equal to 248 degrees (Rea.) They likewise observed that the inside of a lake, could remain, for a quarter of an hour, in an even bath to 248 degrees, where water & light were scalding & beef-steaks were boiling. In these experiments the temperature of the body was not raised more than 2nd degree. They even attended with an injury. & thereby demonstrate the resistance which the living system is capable of making against great degrees of heat. The nose is kept intensely with which the mind is engaged, & amidst this in a striking manner the





effects of heat. It has been remarked by a distinguished physi-  
cian of our country, that he knew a peasant peasant of this  
city, during the hottest summer days it in the presence of a  
large laboratory, to purchase the inquiries as a transport-  
edly, settling the pleasantness of his room, his appearance, sit-  
tation and employ.

Great as is this power of resistance to heat, the im-  
purity with which the living system can resist great degree of  
heat is no less remarkable. If a portion of life was given  
me, it might but be, provided in the faculty proposed by the  
living body of purifying the same heat in various degree of tem-  
perature of the same machine, and instead, in matter of very differ-  
ent density & purpose. (Olive) The constitution of different men  
vary according to the power, which this respective constitutional  
have, of resisting heat. This power depends much upon the original  
organization of the system, it is also greatly influenced by habit. In  
this climate we suffer very little inconvenience from a tempera-  
ture 2, 5 or 10 degrees below zero. Thus in Russia, as Mr. Jackson  
remarks, the slaves & their slaves feel little or no inconvenience







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In order to see a person in the house, it is necessary to go to the door and knock. The door is usually open, and the person will come out to see you. (1881)

The intention of the writer is to describe the appearance of the person who is usually seen at the door of the house. The person is usually a woman, and is usually dressed in a long, dark, and heavy coat. The person is usually of middle age, and is usually of a fair complexion. The person is usually of a slender build, and is usually of a quiet and reserved disposition. The person is usually of a good nature, and is usually of a good character. The person is usually of a good family, and is usually of a good education. The person is usually of a good position, and is usually of a good reputation. The person is usually of a good name, and is usually of a good fame. The person is usually of a good rank, and is usually of a good title. The person is usually of a good estate, and is usually of a good fortune. The person is usually of a good house, and is usually of a good land. The person is usually of a good garden, and is usually of a good park. The person is usually of a good carriage, and is usually of a good horse. The person is usually of a good servant, and is usually of a good dog. The person is usually of a good cat, and is usually of a good bird. The person is usually of a good fish, and is usually of a good animal. The person is usually of a good plant, and is usually of a good tree. The person is usually of a good flower, and is usually of a good fruit. The person is usually of a good vegetable, and is usually of a good herb. The person is usually of a good spice, and is usually of a good oil. The person is usually of a good wine, and is usually of a good beer. The person is usually of a good food, and is usually of a good drink. The person is usually of a good house, and is usually of a good land. The person is usually of a good garden, and is usually of a good park. The person is usually of a good carriage, and is usually of a good horse. The person is usually of a good servant, and is usually of a good dog. The person is usually of a good cat, and is usually of a good bird. The person is usually of a good fish, and is usually of a good animal. The person is usually of a good plant, and is usually of a good tree. The person is usually of a good flower, and is usually of a good fruit. The person is usually of a good vegetable, and is usually of a good herb. The person is usually of a good spice, and is usually of a good oil. The person is usually of a good wine, and is usually of a good beer. The person is usually of a good food, and is usually of a good drink.

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The hundredth day was a very fine day.









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more or less of these qualities in each of these & intermediate. (101)  
I shall return these words as descriptive in the following manner:  
1. (New to the student)

1. The first is a new word, which is not found in the  
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1. What is the purpose of the study?  
 The purpose of the study is to determine the effect of the use of the Internet on the learning of English as a second language.



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The first of these is the fact that the  
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1. The first part of the document is a letter from the President of the United States to the Congress, dated January 1, 1861. It is a formal communication, and it is written in a very formal and dignified style. The President expresses his regret that he cannot continue to serve the country, and he expresses his confidence in the future of the country.

[illegible]



that is the main point of death in these cases: as it is shown by experiment,  
that if artificial respiration be established for a sufficient length of time  
in the absence of the power to breathe, no serious injury will  
be experienced. In effect it is of poison, taken into the stomach, before respiration  
may be explained by the individual possession of various distasteful  
and agreeable to the lungs. This explanation may perhaps apply to other cases  
of injurious agents acting upon the stomach. We know how suddenly  
death is produced by those even the offensive vapors, & also by large draughts  
of the carbon taken into the stomach. The question arises. Under the es-  
tablishment of artificial respiration be effected in such cases?

Pain of contraction may take place without any evident inter-  
ference of the organic actions. We know an example of pain without organ-  
ic disturbance in the delirious, the pain of the most intense & acute  
character may exist for years without the slightest evidence of irritation.  
And on the other hand irritation & inflammation may take place without the  
least increase of sensibility. This is seen in neuralgic affections which may exist  
for months from extensive adhesions, from the suppurations, & finally the last  
is ready to be discharged without its existence ever having been suspected.  
Because contraction takes place upon the application of cold, it does not



can follow that it is a stimulus: this very contraction is evidence of the want of that stimulus necessary to healthy vital phenomena: it is the excessive abstraction of this pulsation below the amount taking away of the normal supply of this vital supporter, heat, that throws the system into a state of perturbation, that causes an suppurative & death to all the irregularity of the abnormal contraction. Hence a patient frequently & to a great extent, & what do we propose to take place? a state of system at once the most intimate & able to external agents the most trifling. Continue the operation of sensation & consciousness will be the consequence. This great irritability & finally convulsions cannot but be the effect of excess of stimulation, unless the abstraction of stimuli be stimulating, & if so there is not a stimulating & decrease a stimulus.

